

FIG.1 RADIO WAVE TRANSMISSION STATUS IN SATELLITE BROADCAST
(CONCEPTUAL ILLUSTRATION)

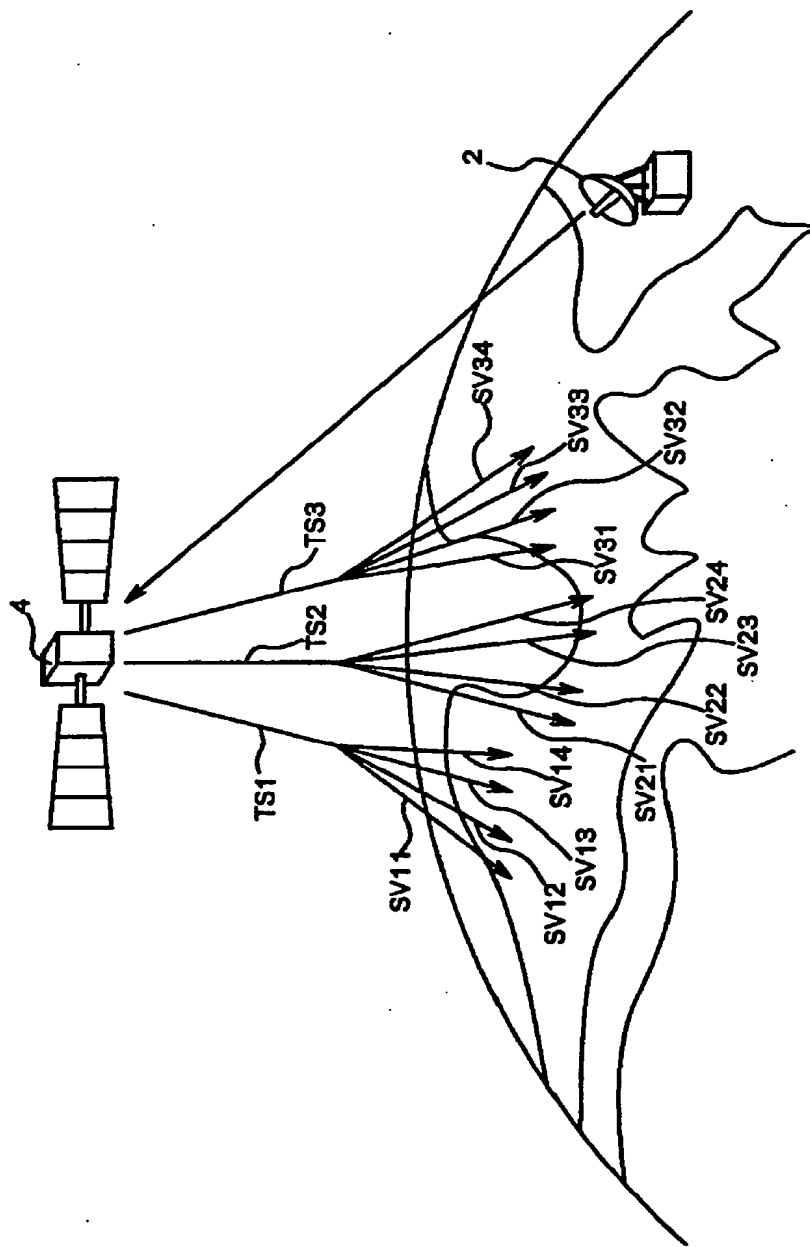
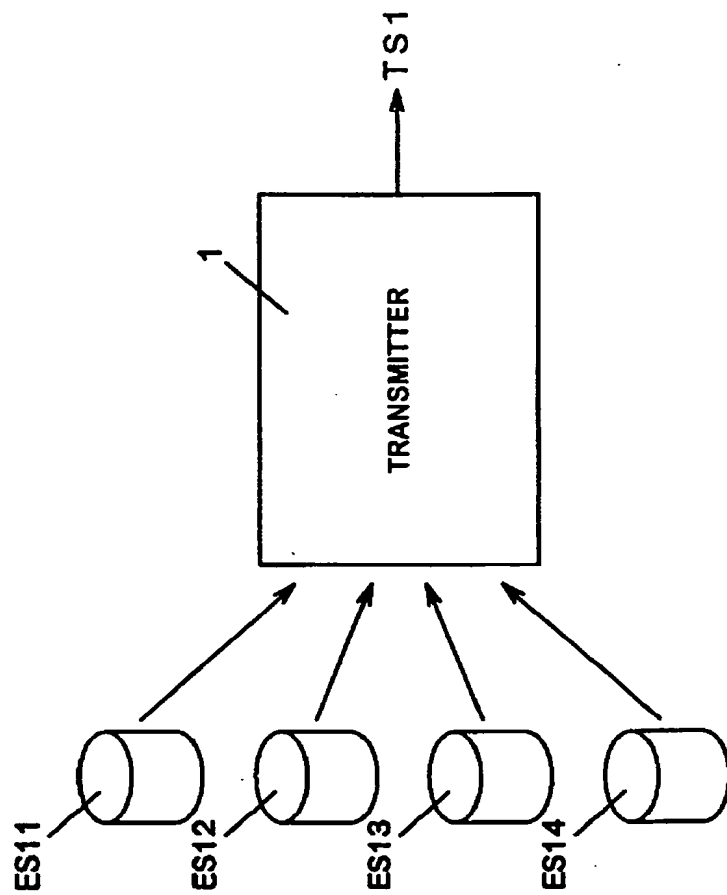
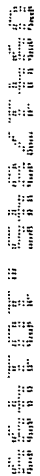


FIG.2



[illegible]

PID	CONTENT DATA
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[illegible]

FIG.5

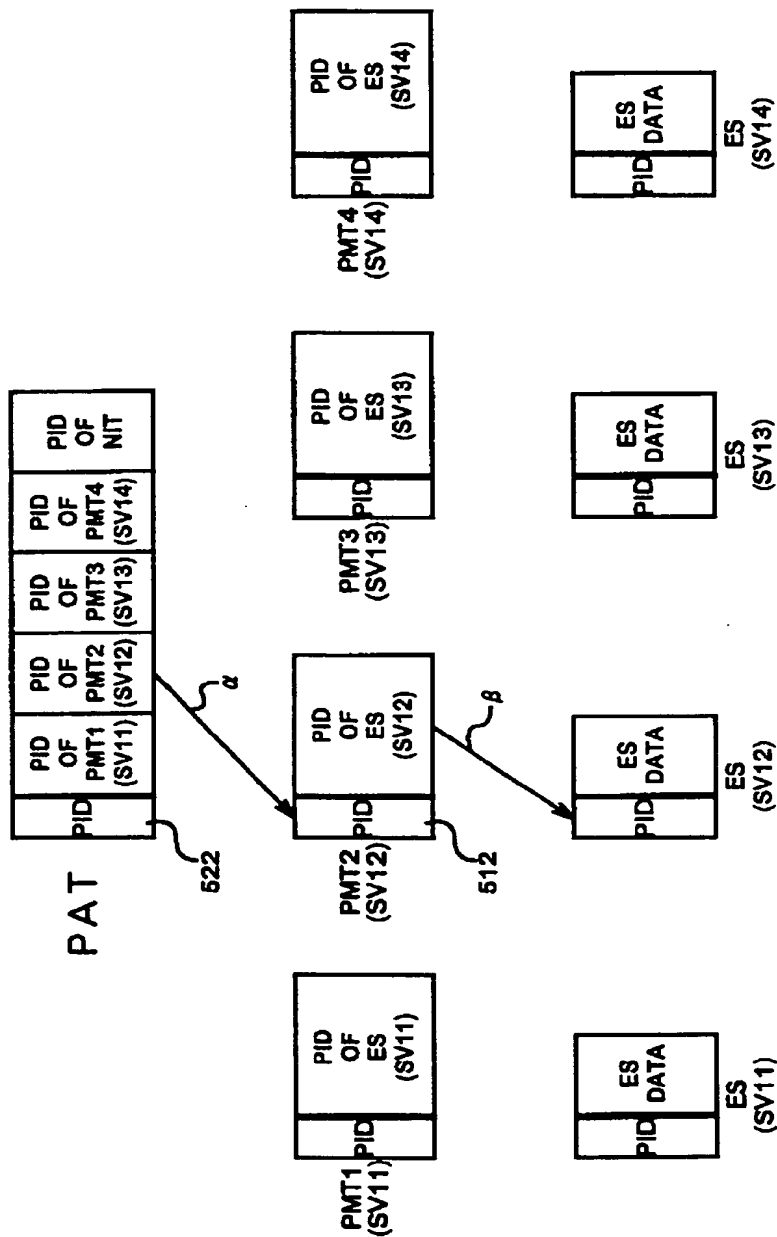


FIG.6

N I T

T S	TRANSMISSION PARAMETER	SERVICE LIST
T S 1	f 1	S V 1 1, S V 1 2, S V 1 3, S V 1 4
T S 2	f 2	S V 2 1, S V 2 2, S V 2 3, S V 2 4
⋮	⋮	⋮

667701 5427460

FIG.7

CONFIGURATION OF RECEIVER

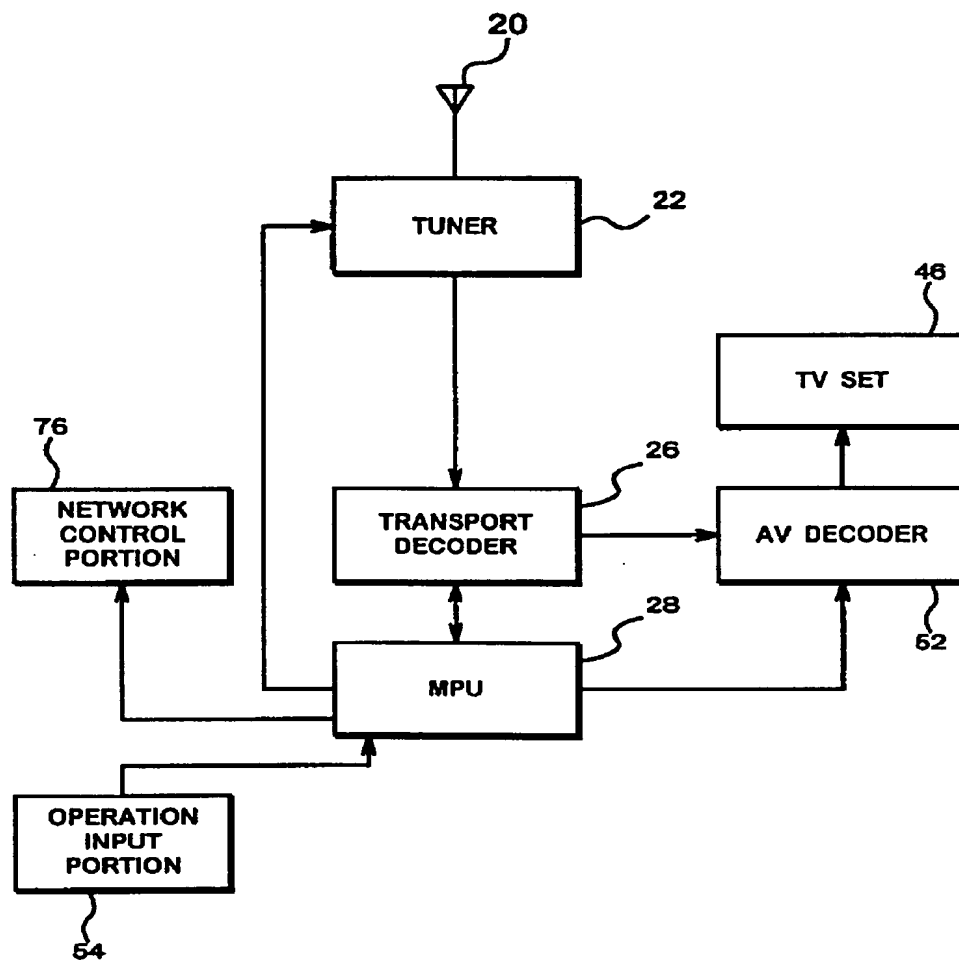
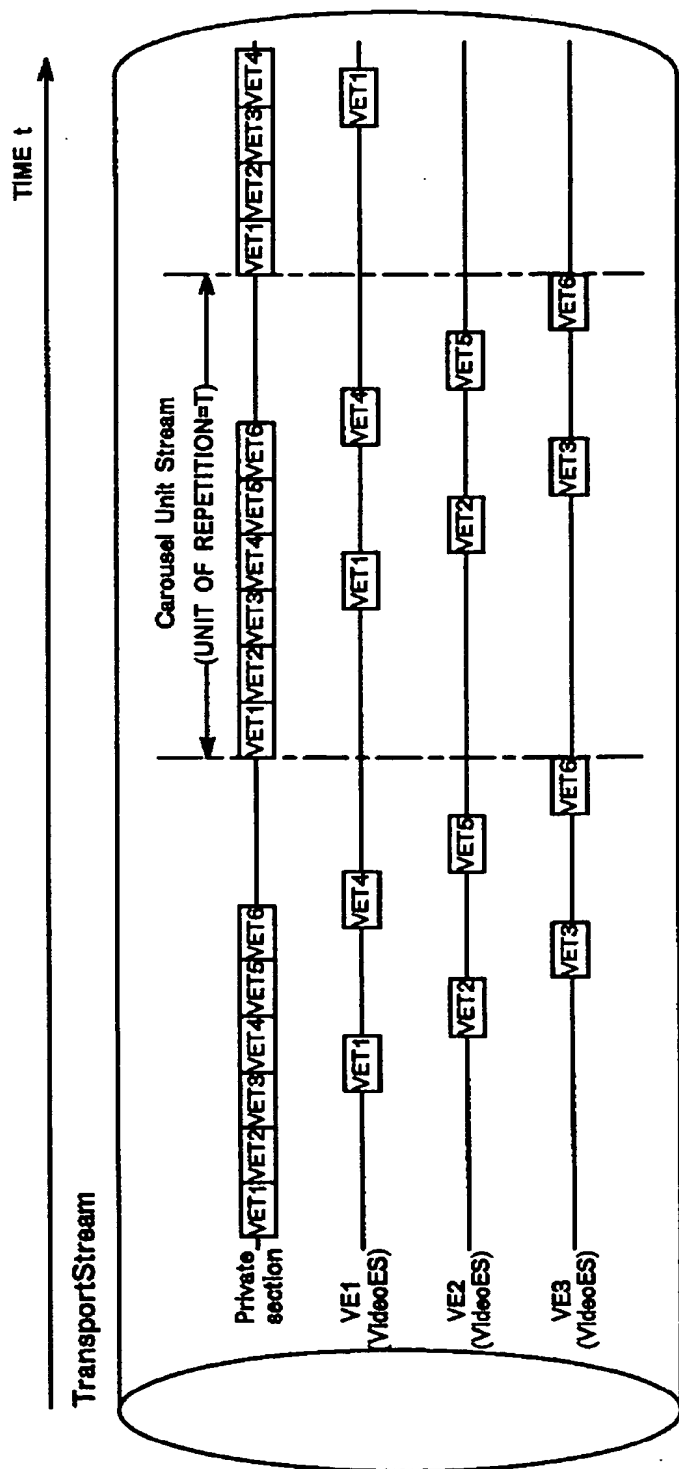


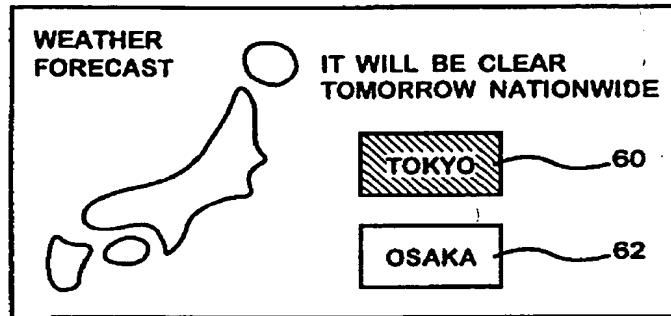
FIG.8



VET (PID=0x85)

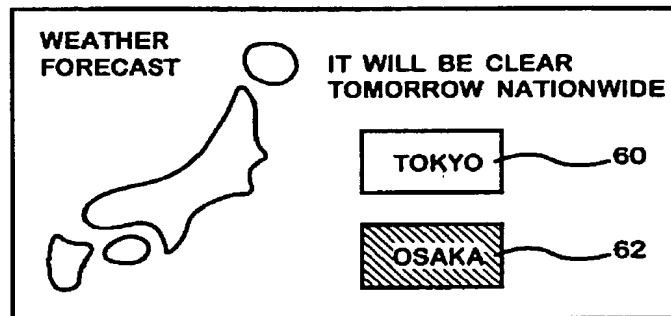
table_id	0x91
table_id_extension	0x0000
first_pts	45000
last_pts	45000
stream_id	0xe1
component_tag	0x0000

FIG.10A



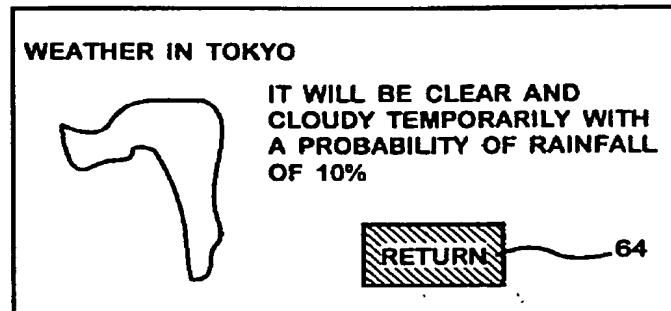
(VE1)

FIG.10B



(VE2)

FIG.10C



(VE7)

564T01 51927460

FIG.11

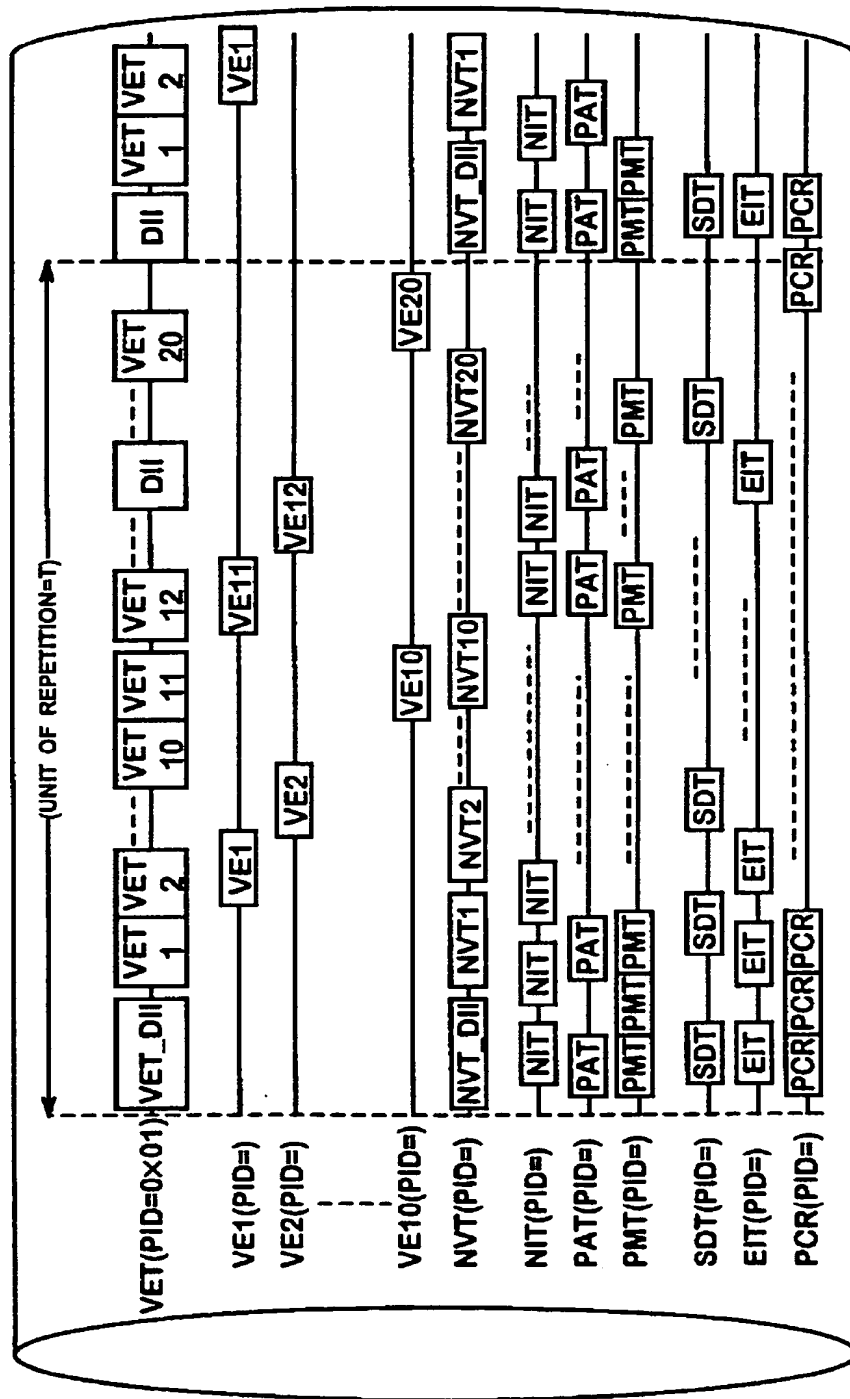
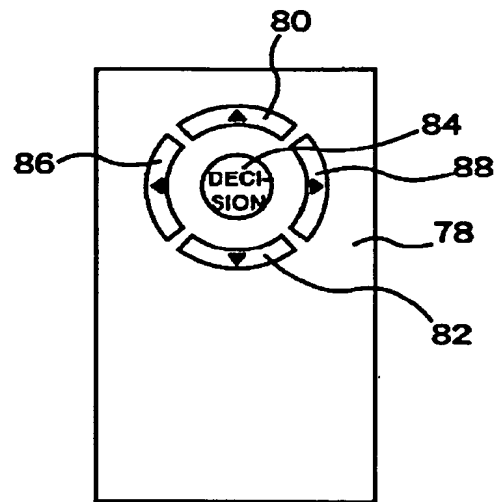


FIG.11a

APPEARANCE OF A REMOTE CONTROLLER



66407-40403

FIG. 12

NVT1

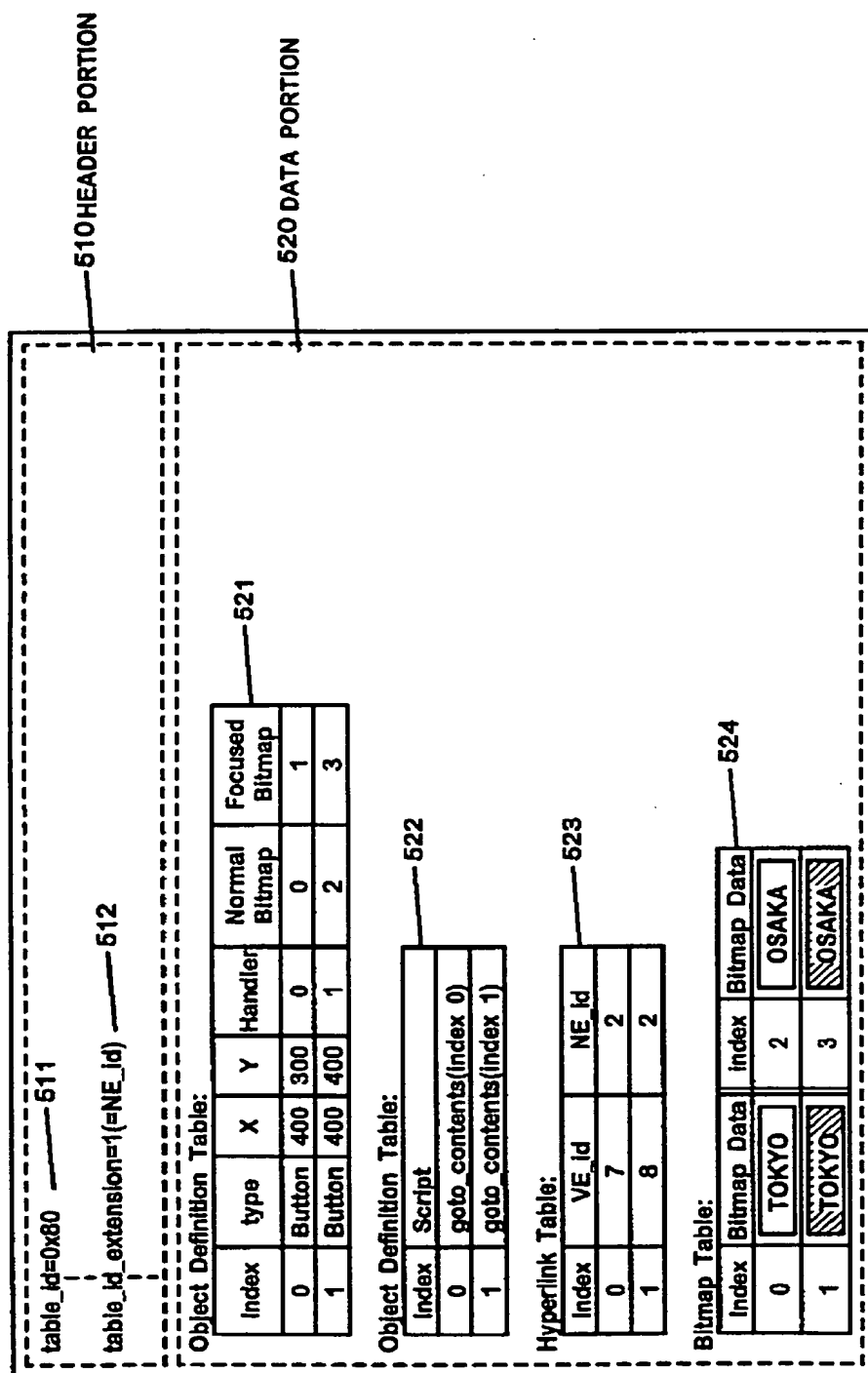


FIG.13

NVT2

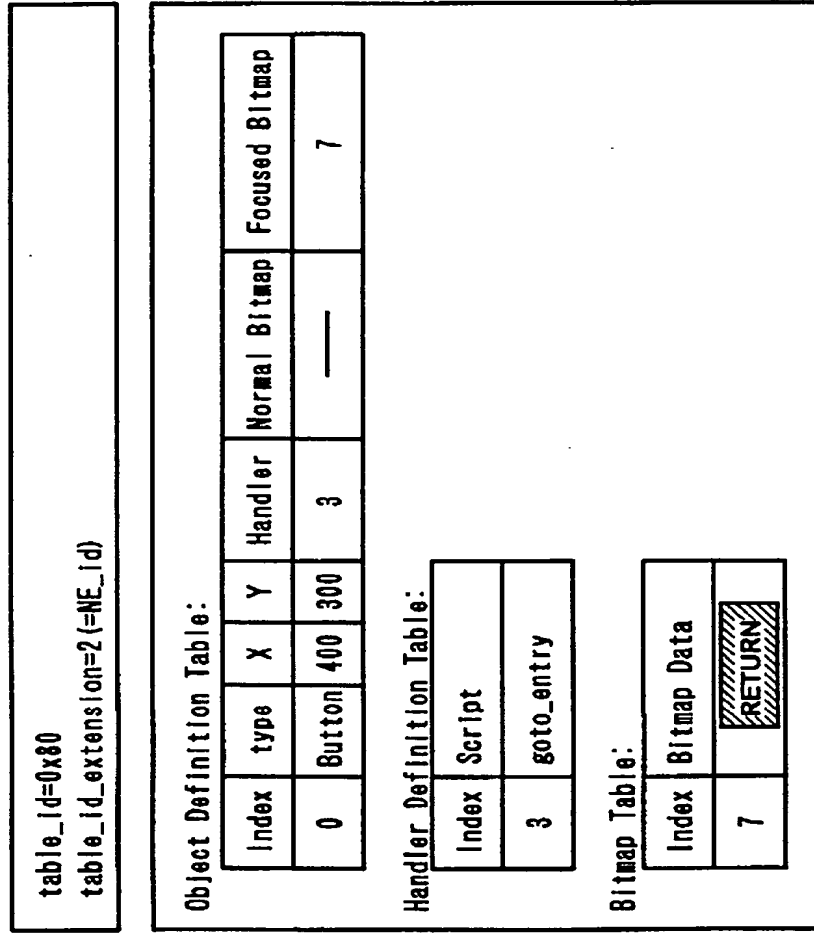


FIG.14

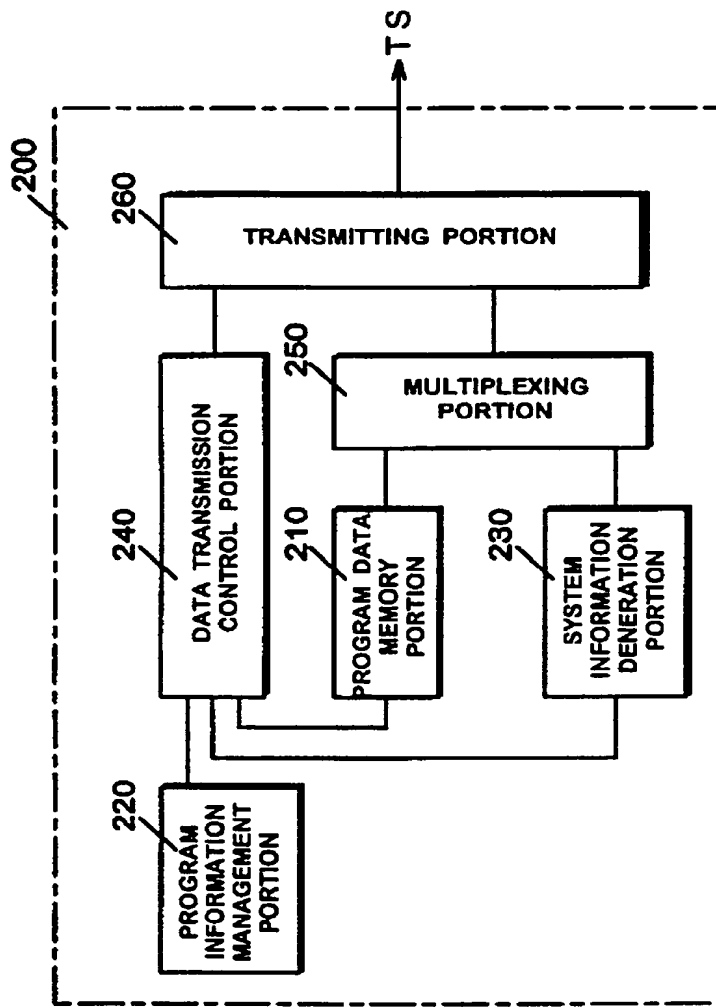
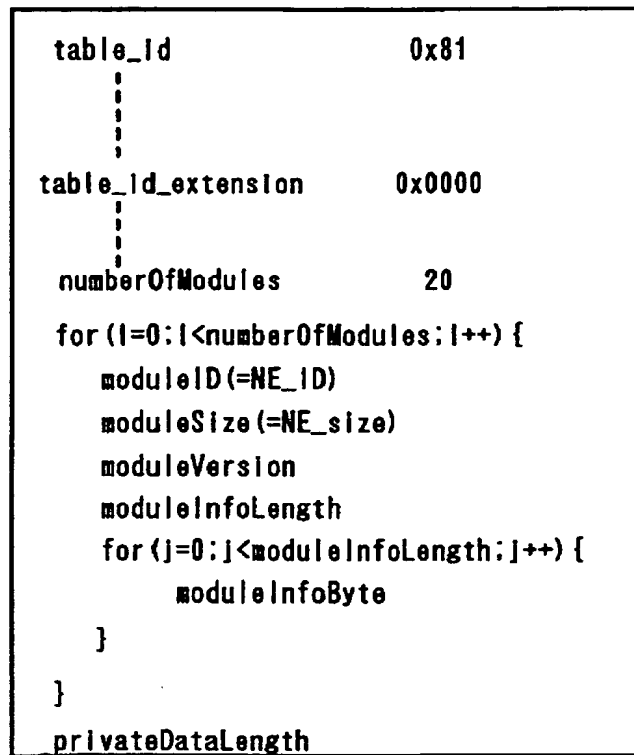


FIG.15

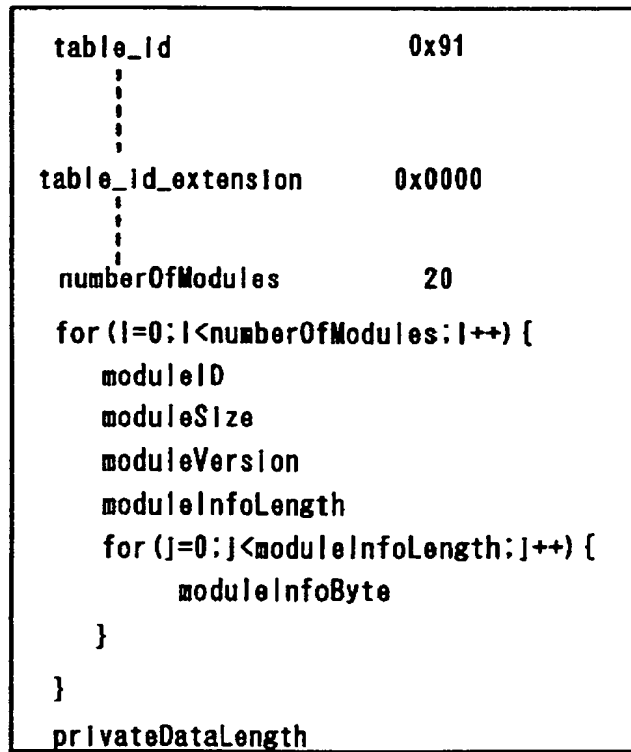
NVT_D I I



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FIG.16

VET_D I I



0047545 104455

FIG.17A

N I T

table_id=0x40		
network_id=0x0001		
original_network_id	transport_stream_id	descriptor
0x0001	0x0001	TRANSMISSION PARAMETERS

FIG.17B

S D T

table_id=0x42	
transport_stream_id=0x0001	
service_id	descriptor
0x0001	INFORMATION SUCH AS SERVICE NAME

FIG.17C

E I T

table_id=0x4e	
service_id=0x0001	
event_id	descriptor
0x0001	INFORMATION SUCH AS SERVICE NAME

FIG.18A

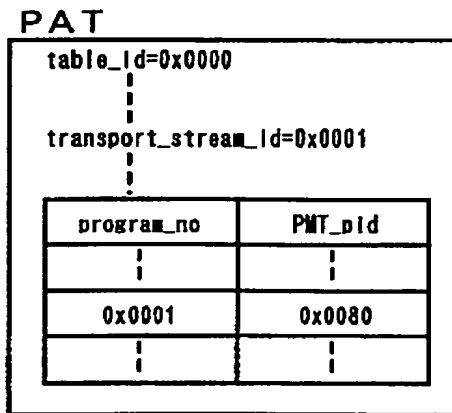


FIG.18B

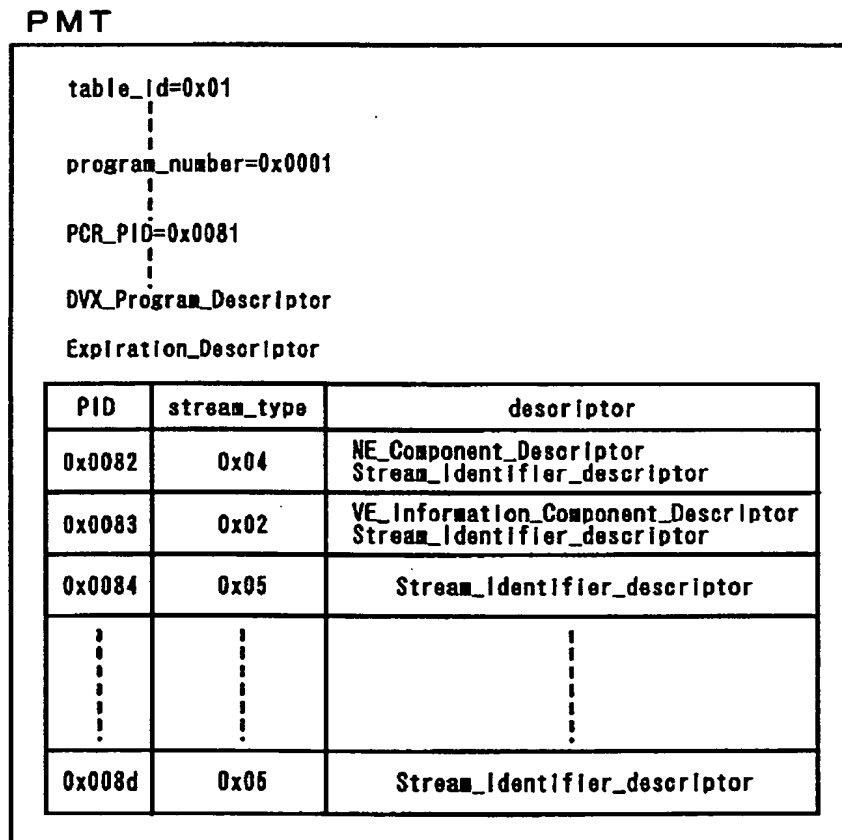


FIG.19A

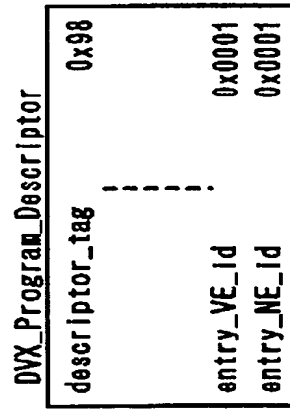


FIG.19B

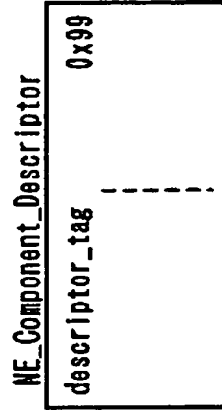


FIG.19C



FIG.19D

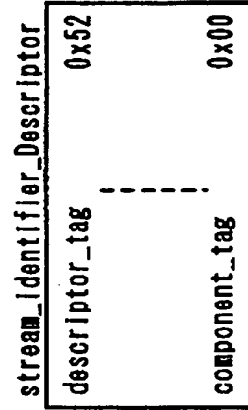


FIG.19E

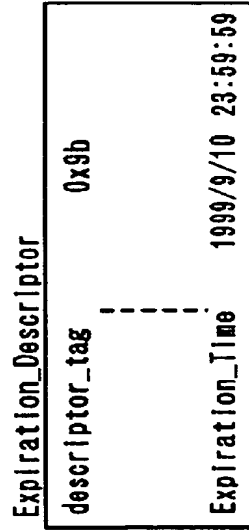


FIG.20

VIEW OF GENERAL CONFIGURATION OF A DIGITAL BROADCAST RECEIVER
(FIRST EMBODIMENT)

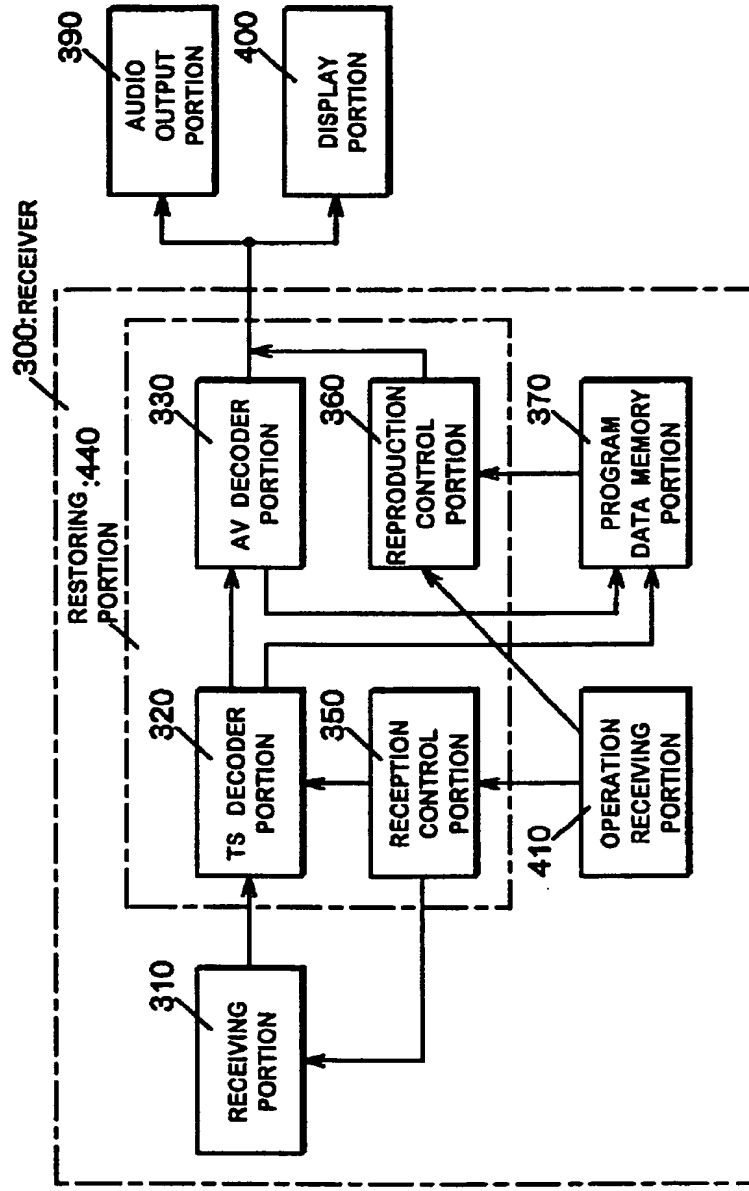


FIG. 21

HARDWARE CONFIGURATION OF A DIGITAL BROADCAST RECEIVER

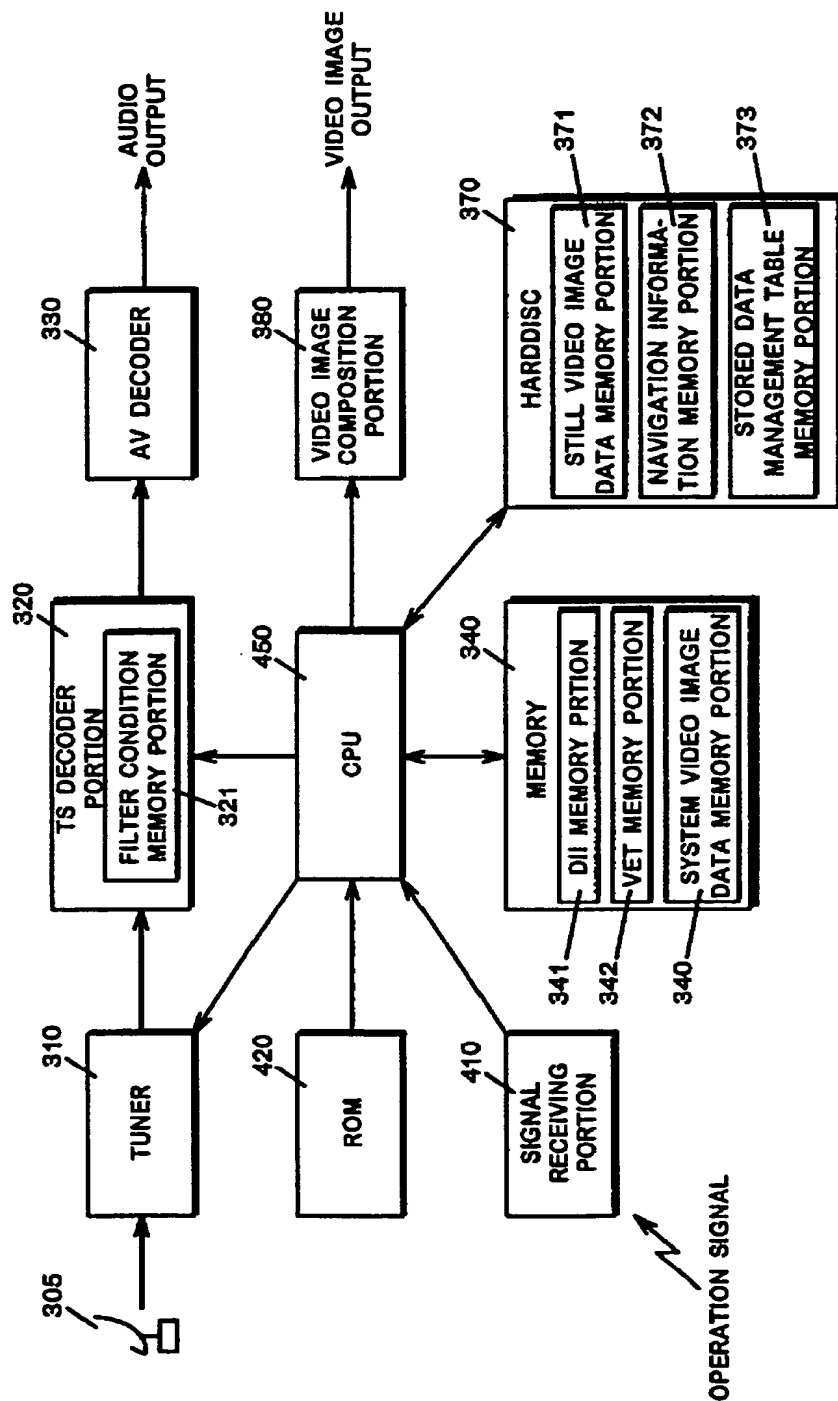
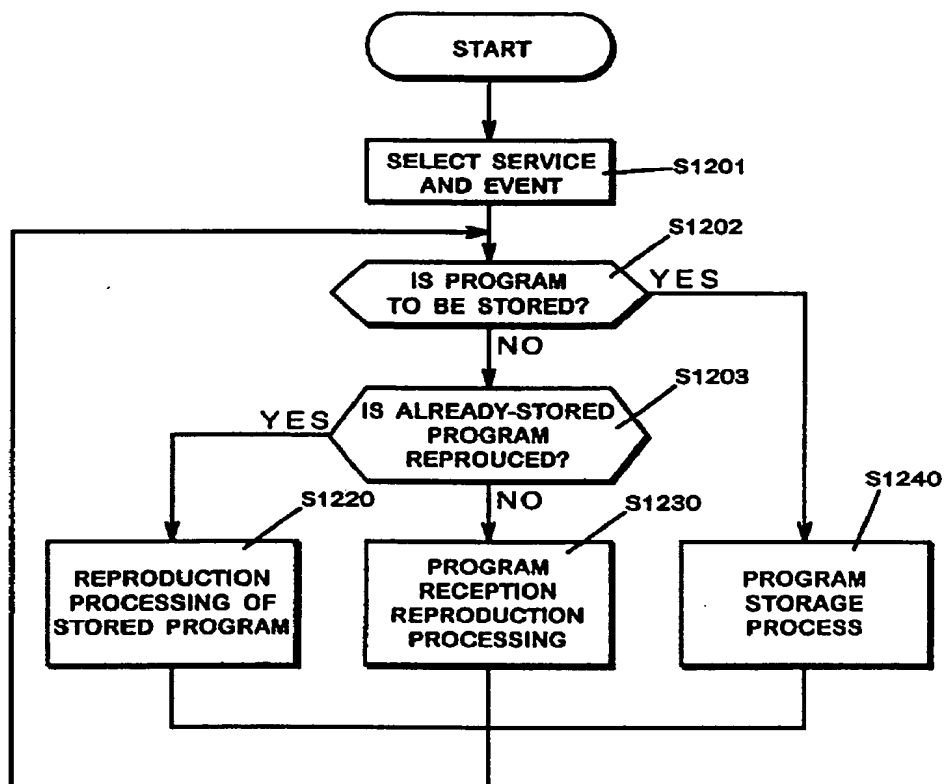


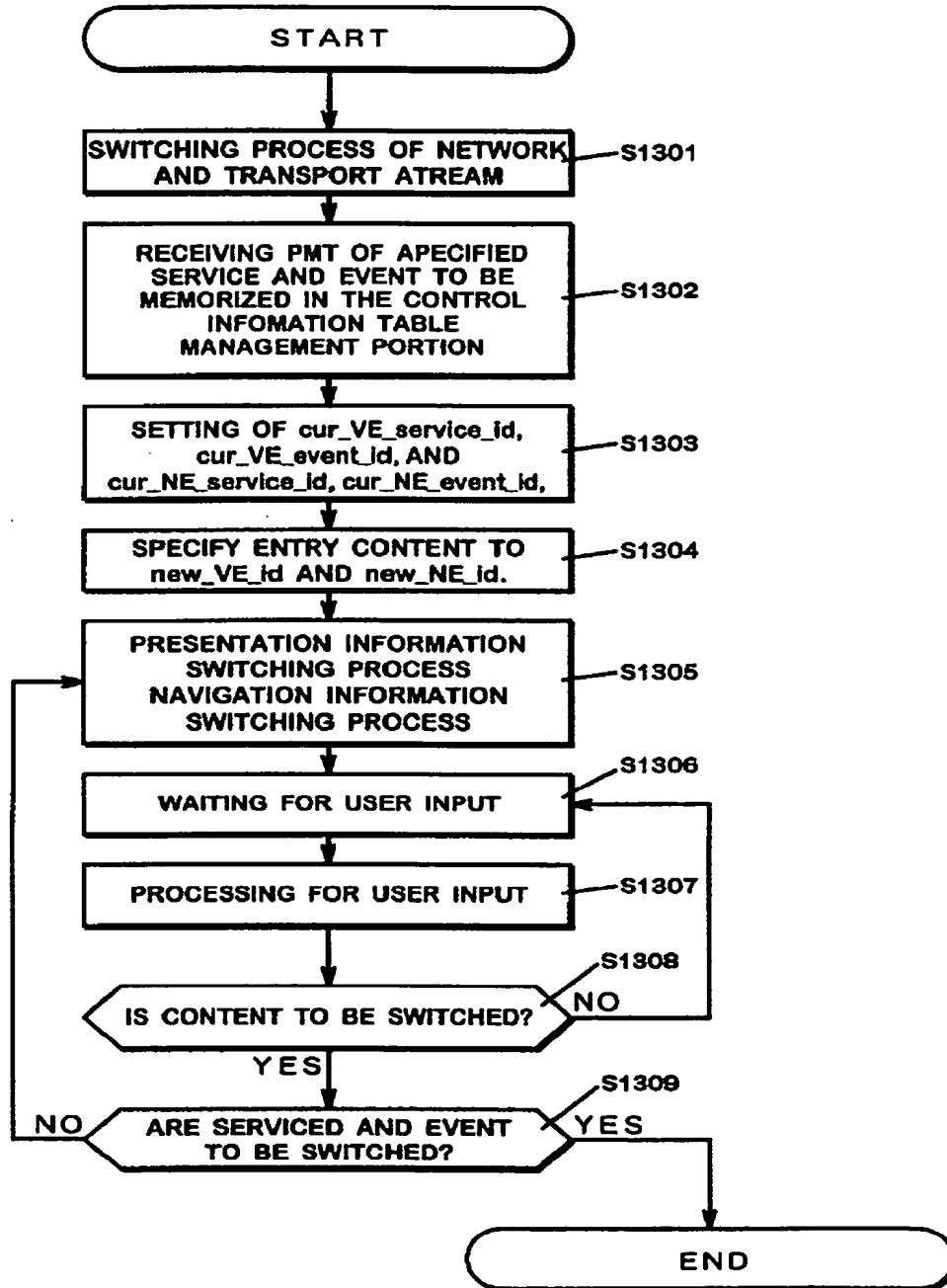
FIG.22



09417845 101459

FIG.23

RECEPTION AND REPRODUCTION PROCESSING



2014-09-10 10:44:00

FIG.24

CONTENT SWITCHING PROCESS

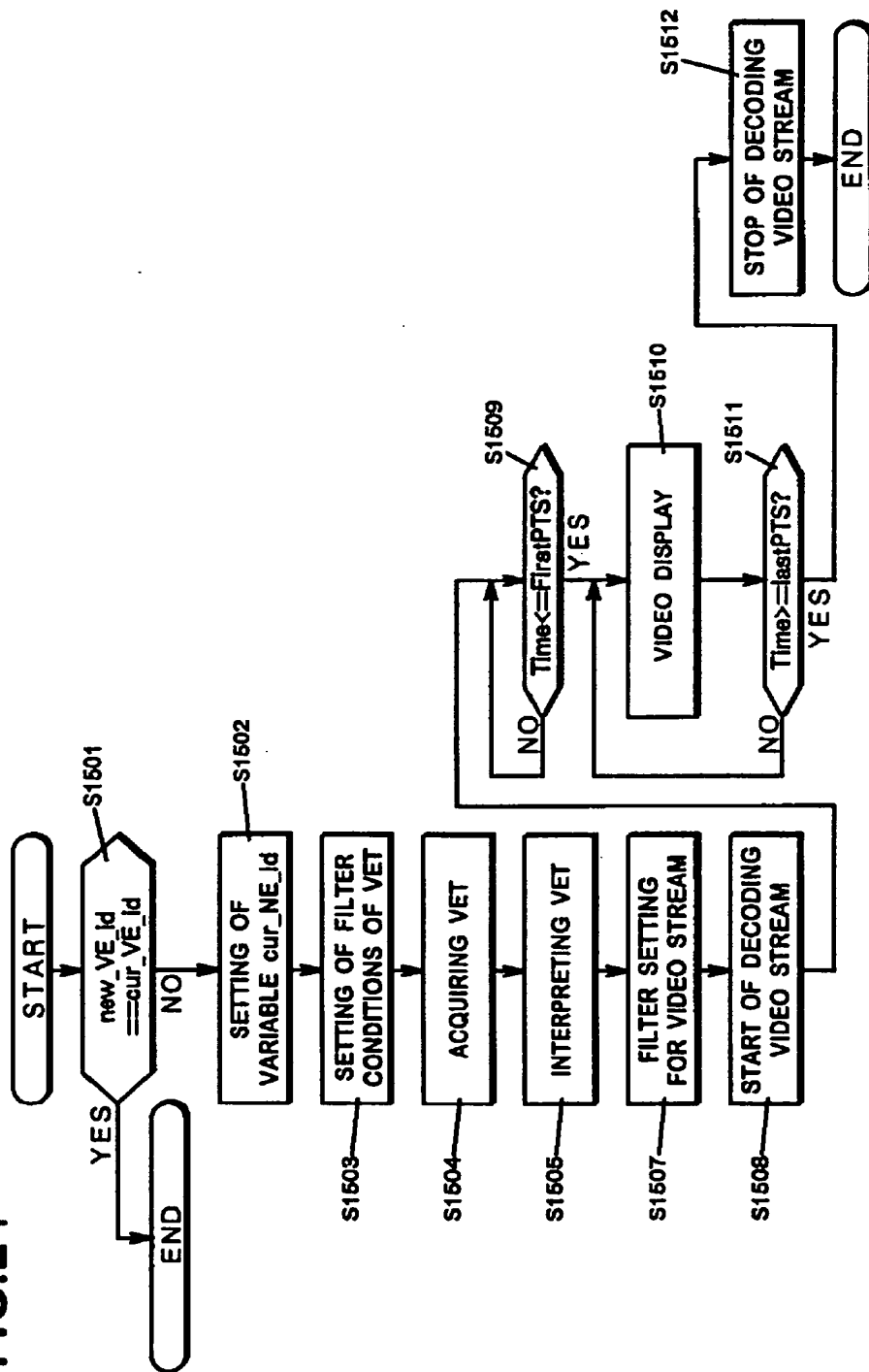


FIG.25

FILTER CONDITION TABLE 1100

1101 IDENTIFICATION No.	1102 START/STOP	1103 PID	1104 stream_id	1105 table_id	1106 table_id_extension	1107 DESTINATION
0	START	0x0084	0xe5			AV DECODER PORTION
1	START	0x0083		0x90	0x0001	VET MEMORY PORTION
2	START	0x0082		0x80	0x0001	NAVIGATION INFORMATION MEMORY PORTION
3	STOP	0x0083		0x91	—	DII MEMORY PORTION
4	START	0x0082		0x81	—	DII MEMORY PORTION
:	:	:	:	:	:	:
:	:	:	:	:	:	:
:	:	:	:	:	:	:
:	:	:	:	:	:	:

FIG.26

FILTER CONDITION TABLE 1400

IDENTIFICATION No.	START/STOP	PID	stream_id	table_id	table_id_extension	DESTINATION
0	START	0x0084	0xe5			AV DECODER PORTION
1	START	0x0083		0x90	0x0001	VET MEMORY PORTION
2	START	0x0082		0x80	0x0001	NAVIGATION INFORMATION MEMORY PORTION
3	STOP	0x0083		0x91	—	DII MEMORY PORTION
4	STOP	0x0082		0x81	—	DII MEMORY PORTION
—	—	—	—	—	—	—
—	—	—	—	—	—	—
—	—	—	—	—	—	—
—	—	—	—	—	—	—

FIG.27

NAVIGATION INFORMATION SWITCHING PROCESS

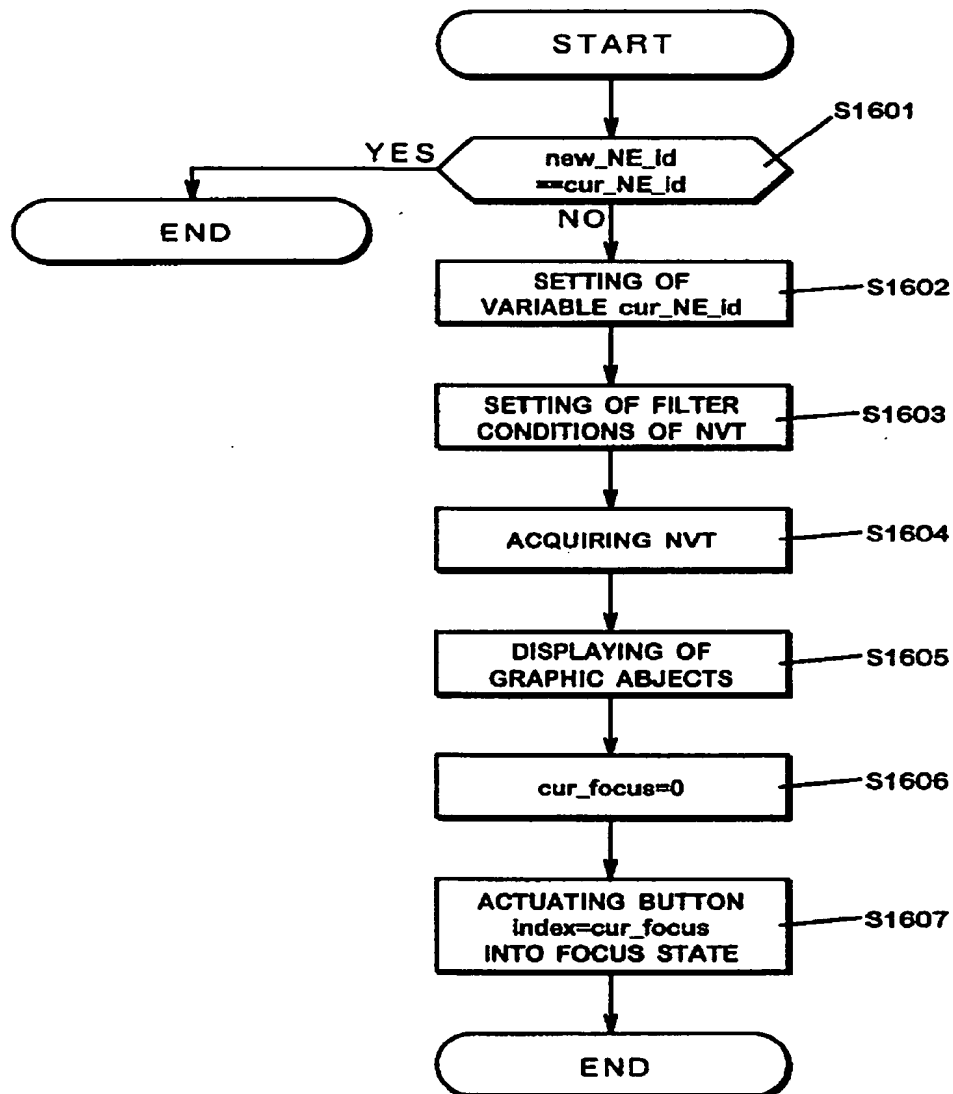


FIG.28

USER INPUT SIGNAL PROCESSING

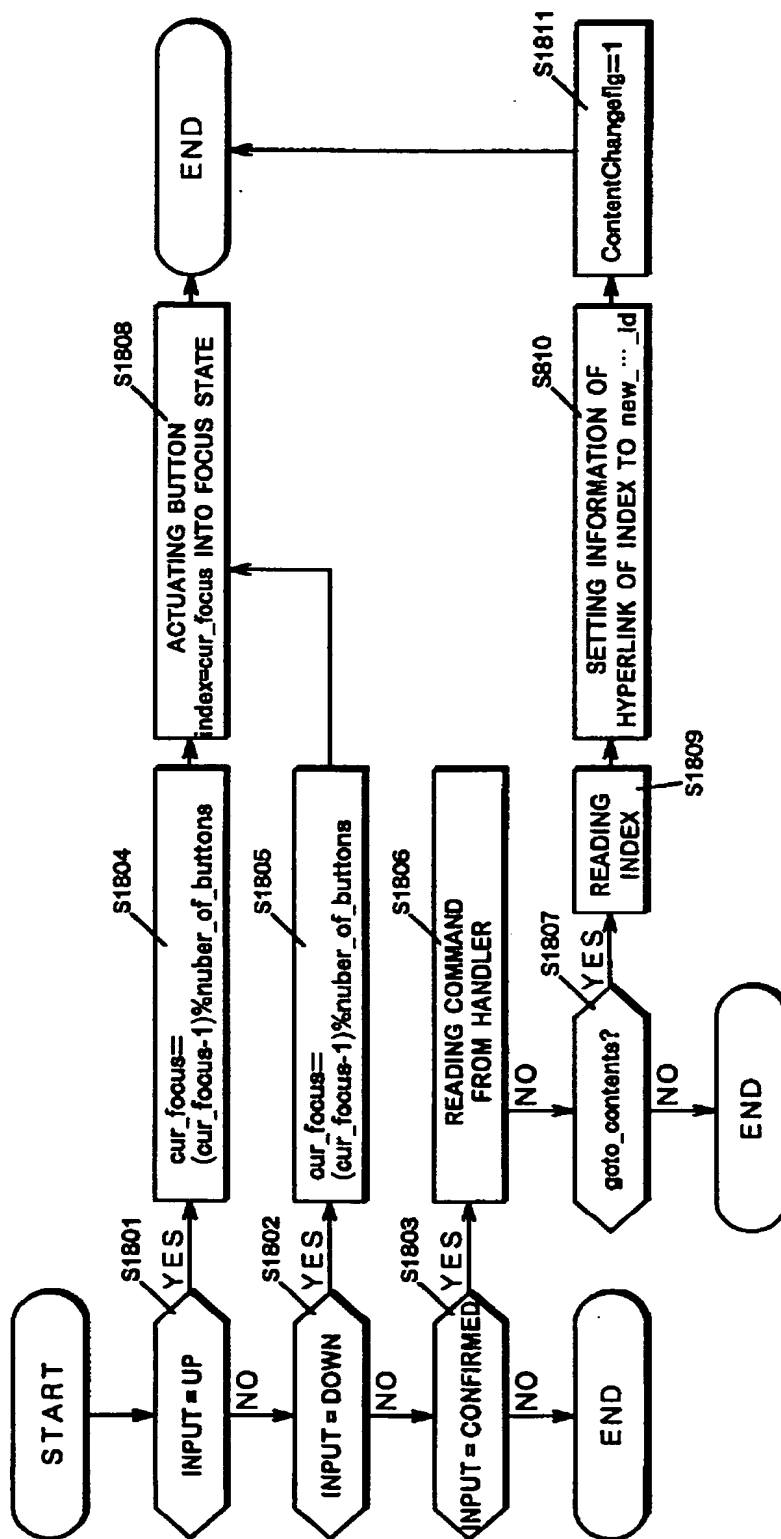


FIG.29 1900 STORED DATA MANAGEMENT TABLE

STORAGE COMPLETION FLAG=false 1901

Expiration=1999/9/10 23:59:59 1902

Entry_VE_Id=0x0001 1903

Entry_NE_Id=0x0001 1904

1905 VIDEO IMAGE DATA MANAGEMENT TABLE

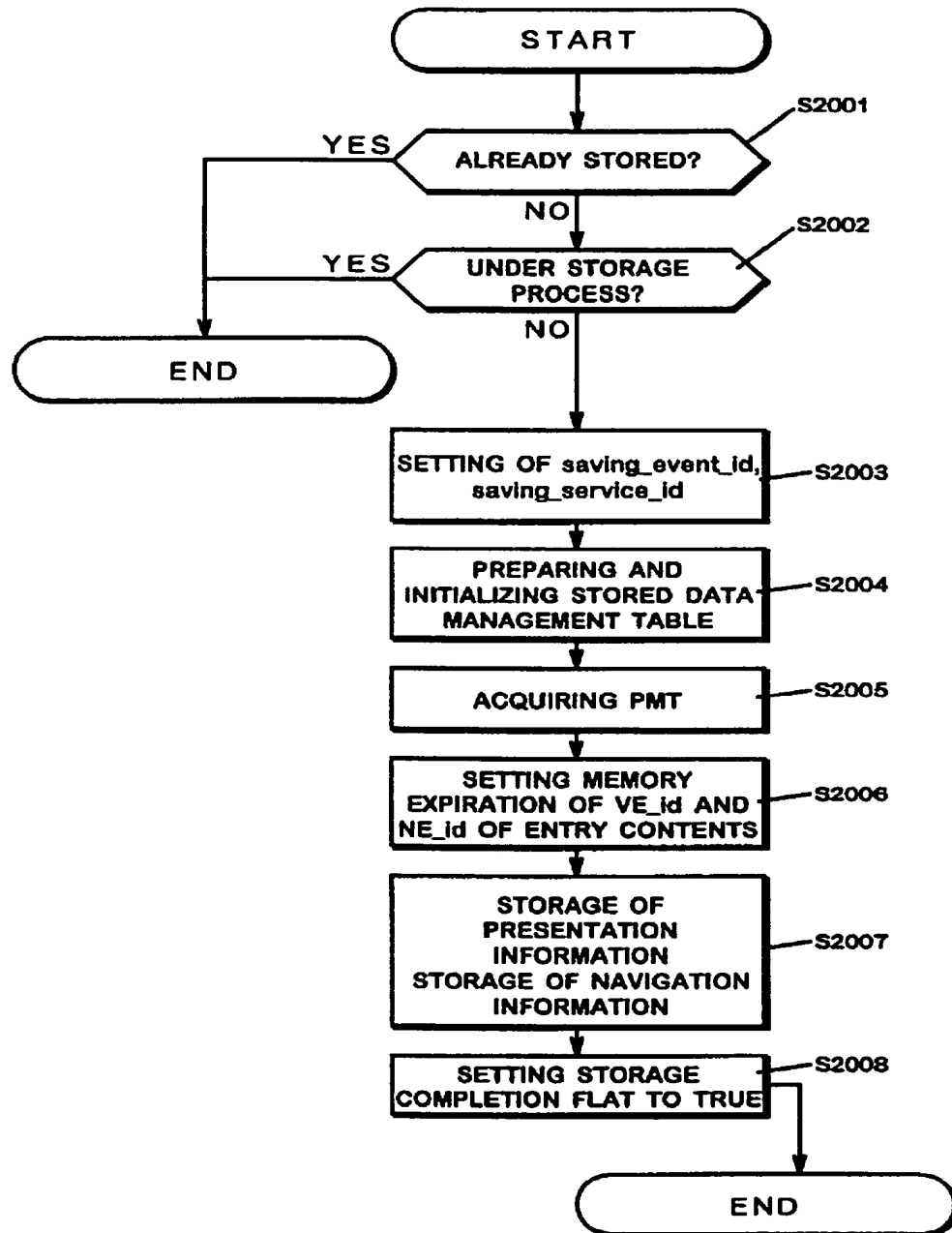
VE_Id	MEMORY LOCATION (FILE NAME)	SIZE	STORAGE FLAG
1	/service5/event4/ve_1	100KB	True
2	/service5/event4/ve_2	123KB	True
1	!	!	!
!	!	!	!
!	!	!	!
!	!	!	!
19	---	---	False
20	/service5/event4/ve_20	102KB	True

1906 NAVIGATION INFORMATION
MANAGEMENT TABLE

NE_Id	MEMORY LOCATION (FILE NAME)	SIZE	STORAGE FLAG
1	/service5/event4/ve_1	32KB	True
2	---	---	False
1	!	!	!
!	!	!	!
!	!	!	!
!	!	!	!
19	/service5/event4/ve_19	51KB	True
20	/service5/event4/ve_20	21KB	True

FIG.30

PROGRAM STORAGE PROCESS (RECORDING PROCESSING)



5472045-10149

FIG.31

PRESENTATION INFORMATION STORAGE PROCESS

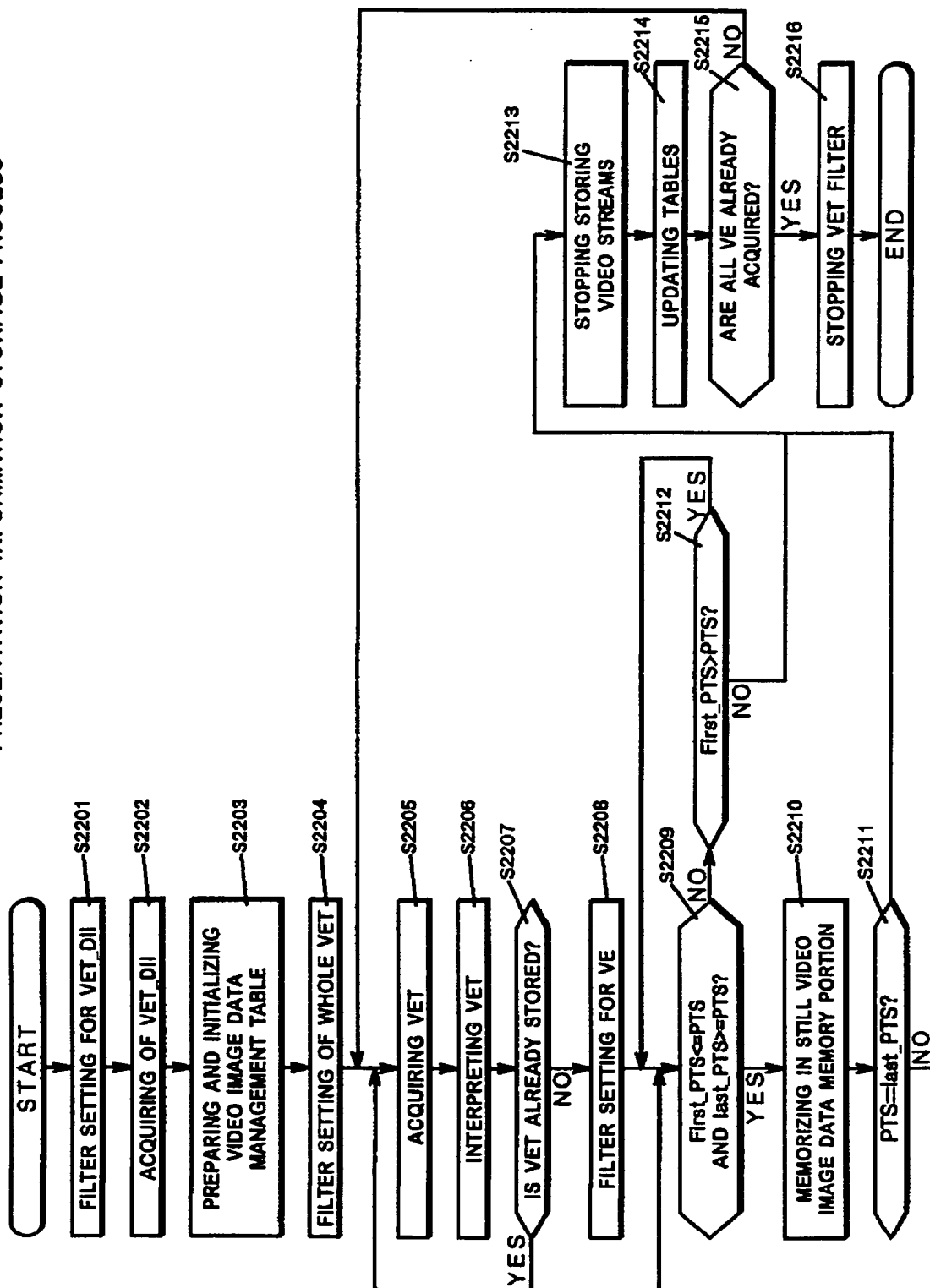


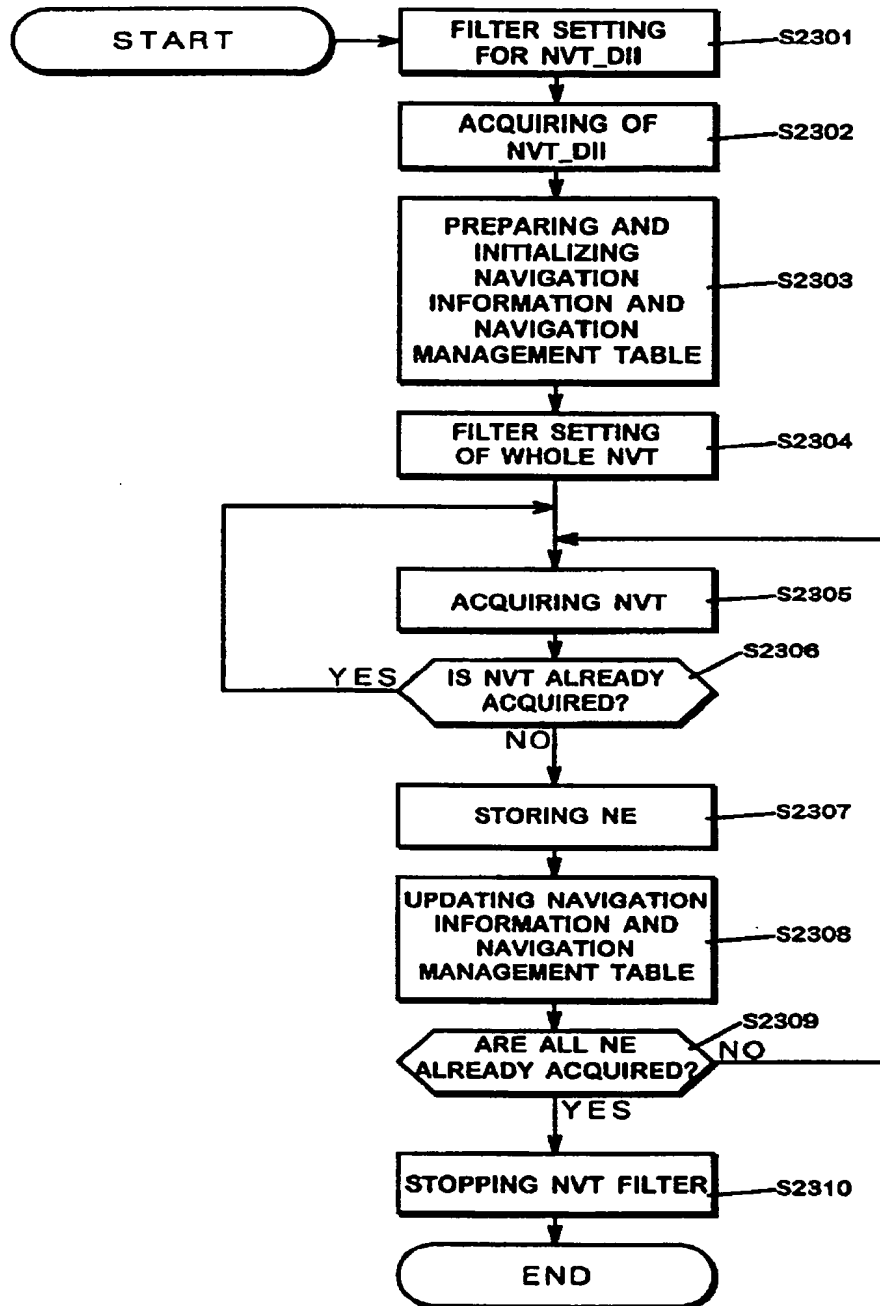
FIG.32

FILTER CONDITION TABLE 1400

IDENTIFICATION No.	START/STOP	PID	stream_id	table_id	table_id_extension	DESTINATION
0	START	0x0084	0xe5			AV DECODER PORTION
1	STOP	0x0083		0x90		VET MEMORY PORTION
2	STOP	0x0082		0x80		NAVIGATION INFORMATION MEMORY PORTION
3	START	0x0083		0x91		DII MEMORY PORTION
4	START	0x0082		0x81		DII MEMORY PORTION
⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG.33

NAVIGATION INFORMATION STRAGE PROCESS



547015-10495
S47015-10495

FIG.34

REPRODUCTION PROCESSING OF STORED PROGRAM DATA

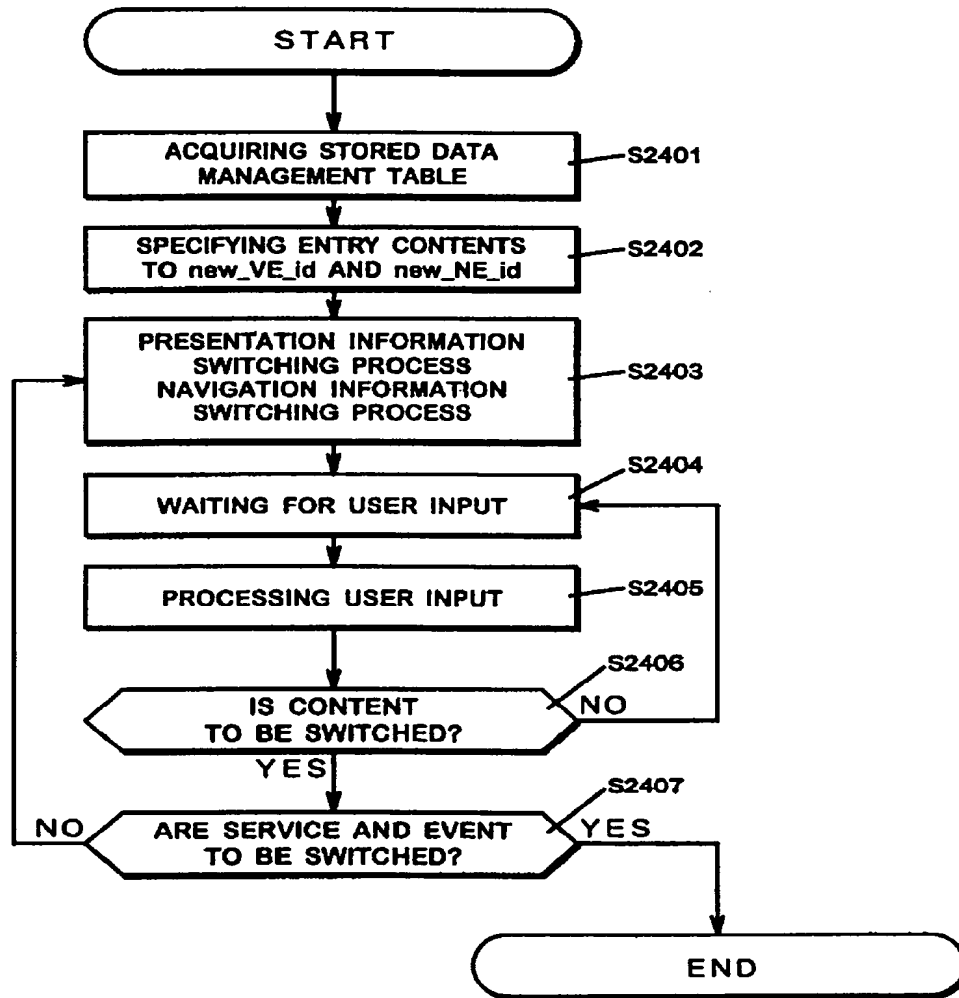
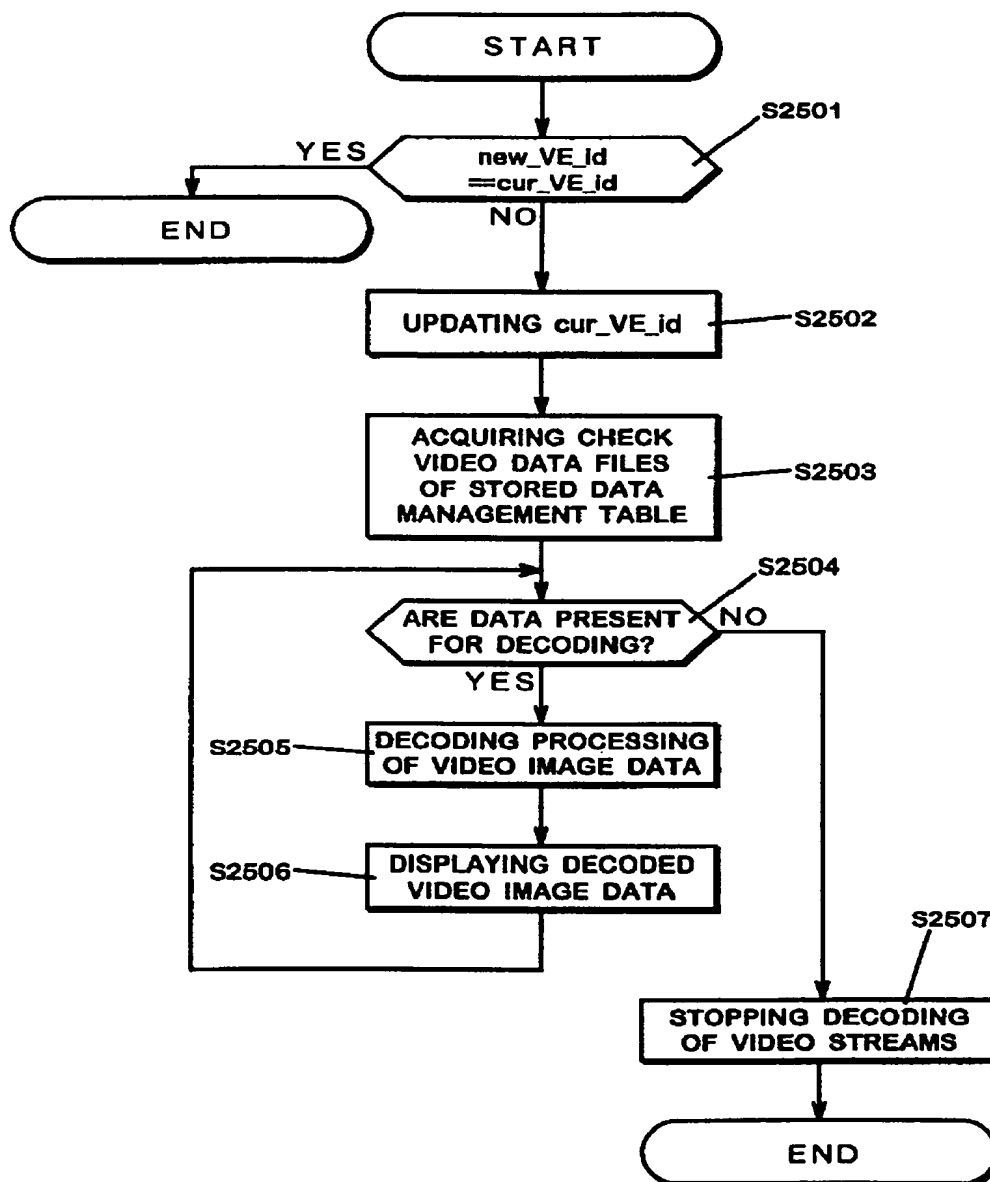


FIG.35

PRESENTATION INFORMATION SWITCHING PROCESS



654101 5482160

FIG.37

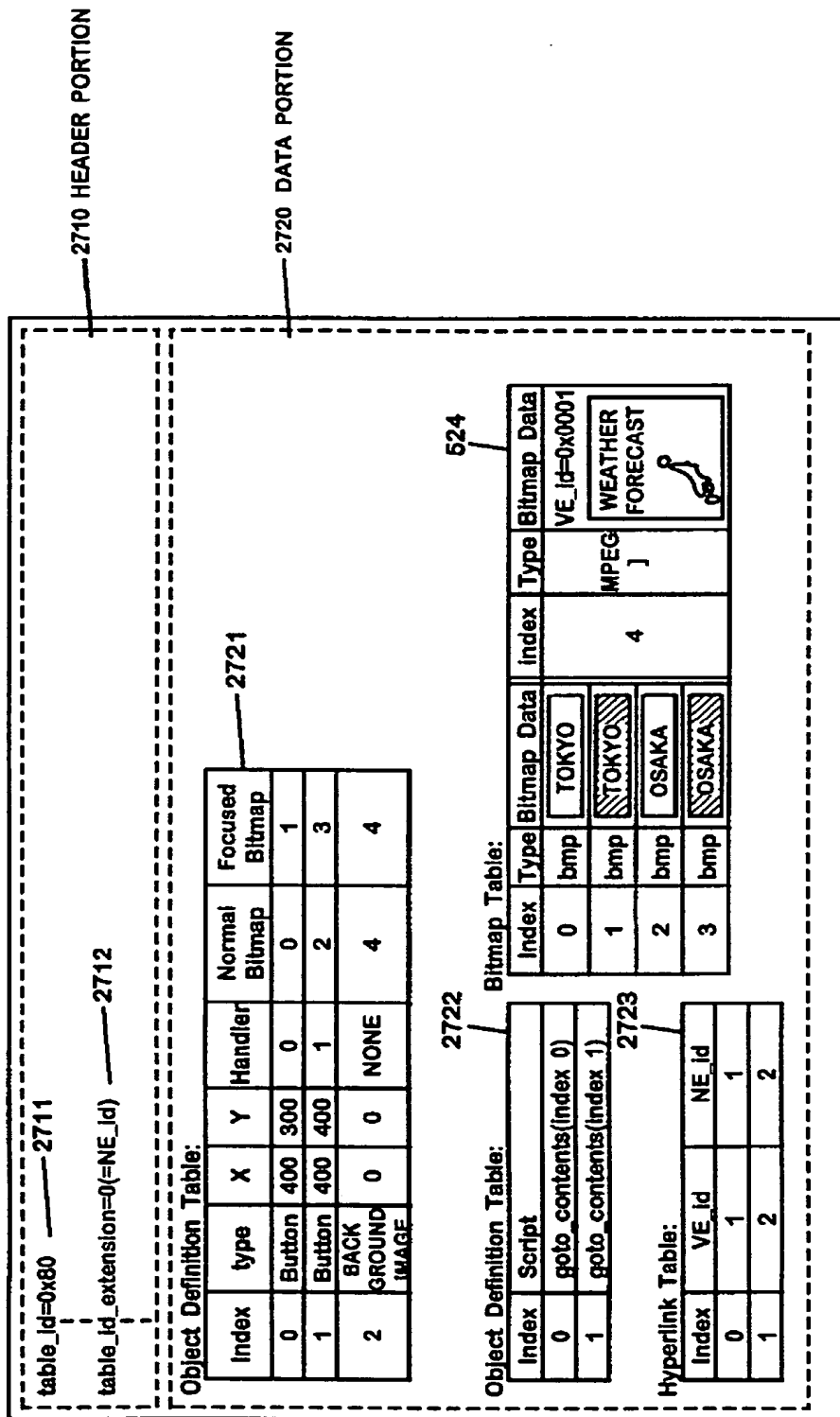
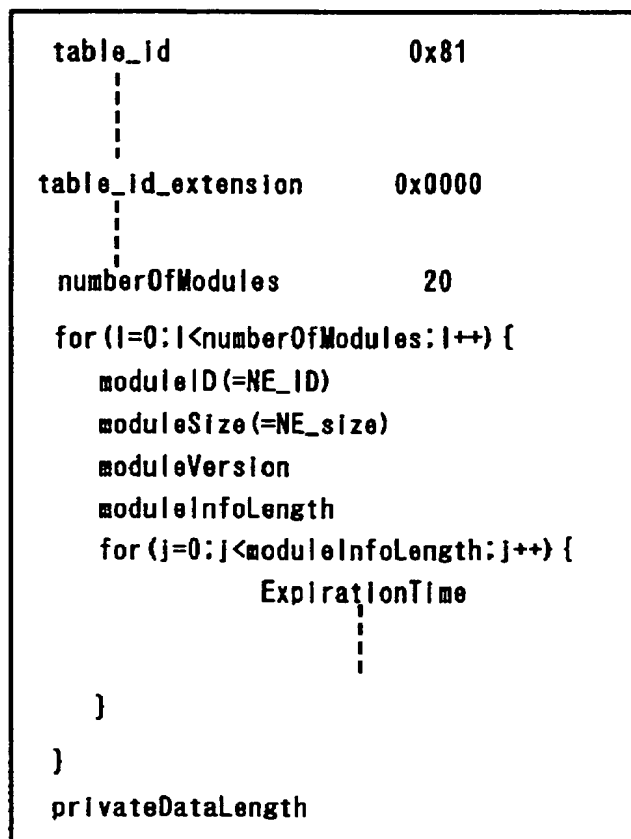


FIG.38

NVT_D I I



00479101 101455

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1950	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

VET_DII

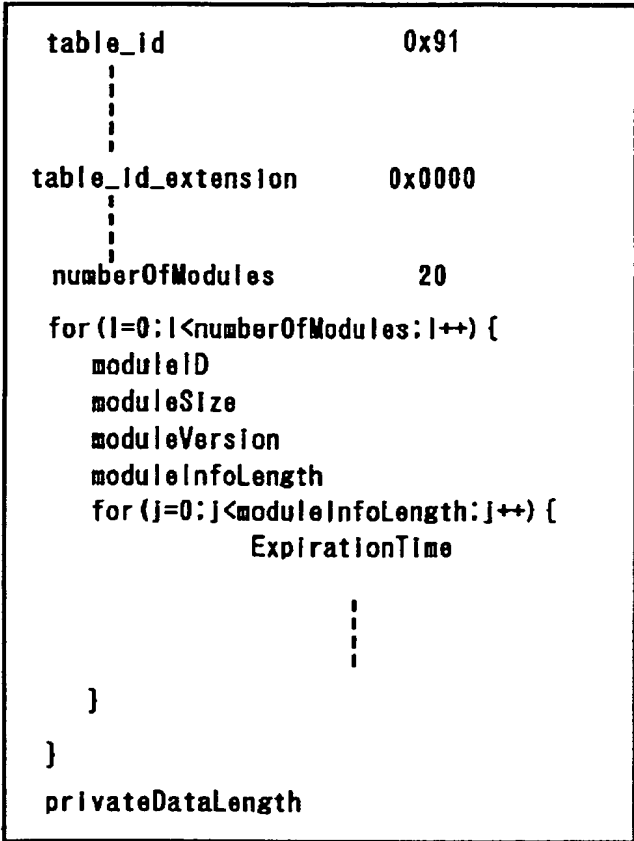


FIG.40

3000 { STORED DATA MANAGEMENT TABLE

STORAGE COMPLETION FLAG=False ~ 3001

Expiration=1999/9/10 23:59:59 ~ 1902

Entry_VE_Id=0x0001 ~ 1903

Entry_NE_Id=0x0001 ~ 1904R

3005

{ VIDEO IMAGE DATA MANAGEMENT TABLE

VE_Id	MEMORY LOCATION (FILE NAME)	SIZE	STORAGE FLAG	Expiration
1	/services/event4/ve_1	100KB	True	1999/9/20 23:59:00
2	/services/event4/ve_2	123KB	True	1999/9/19 23:59:00
!	!	!	!	!
!	!	!	!	!
!	!	!	!	!
!	!	!	!	!
19	—	—	False	1999/9/21 23:59:00
20	/services/event4/ve_20	102KB	True	1999/9/20 2:00:00

3006

{ NAVIGATION INFORMATION
MANAGEMENT TABLE

NE_Id	MEMORY LOCATION (FILE NAME)	SIZE	STORAGE FLAG	Expiration
1	/services/event4/ve_1	32KB	True	1999/9/20 23:59:00
2	—	—	False	1999/9/19 23:59:00
!	!	!	!	!
!	!	!	!	!
!	!	!	!	!
!	!	!	!	!
19	/services/event4/ve_19	61KB	True	1999/9/21 23:59:00
20	/services/event4/ve_20	21KB	True	1999/9/20 2:00:00

FIG.41

VIEW OF GENERAL CONFIGURATION OF A DIGITAL BROADCAST RECEIVER
(SECOND EMBODIMENT)

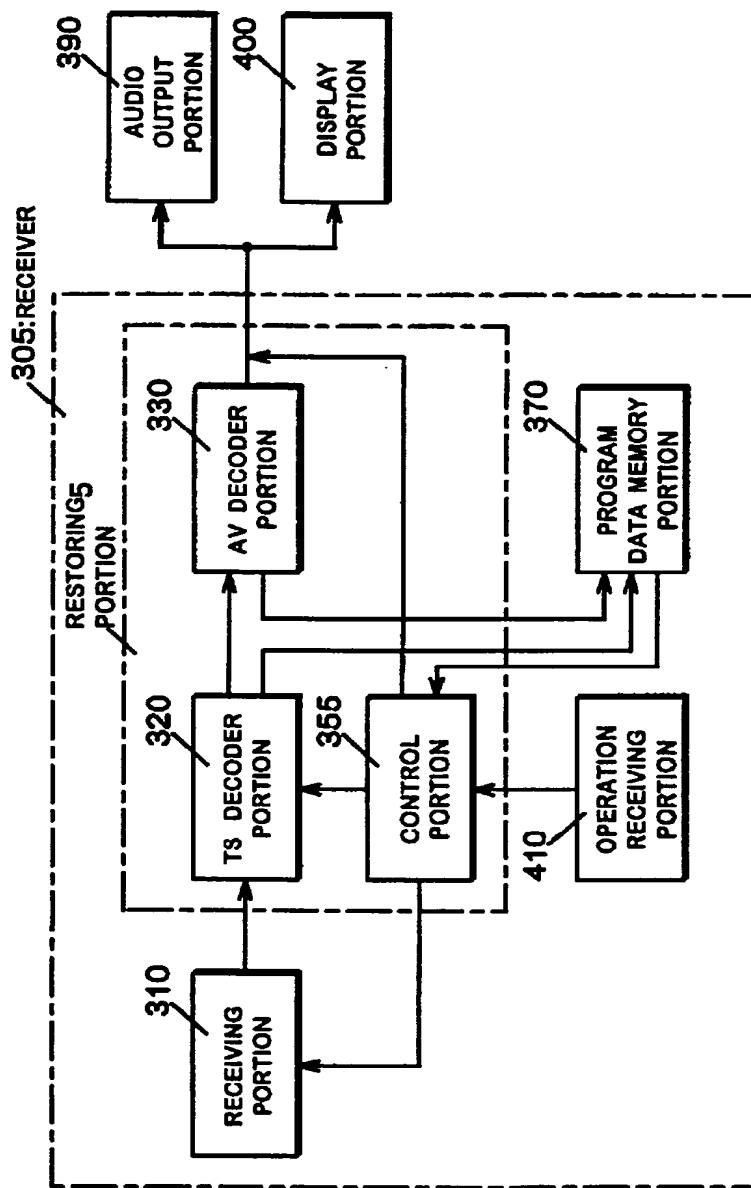
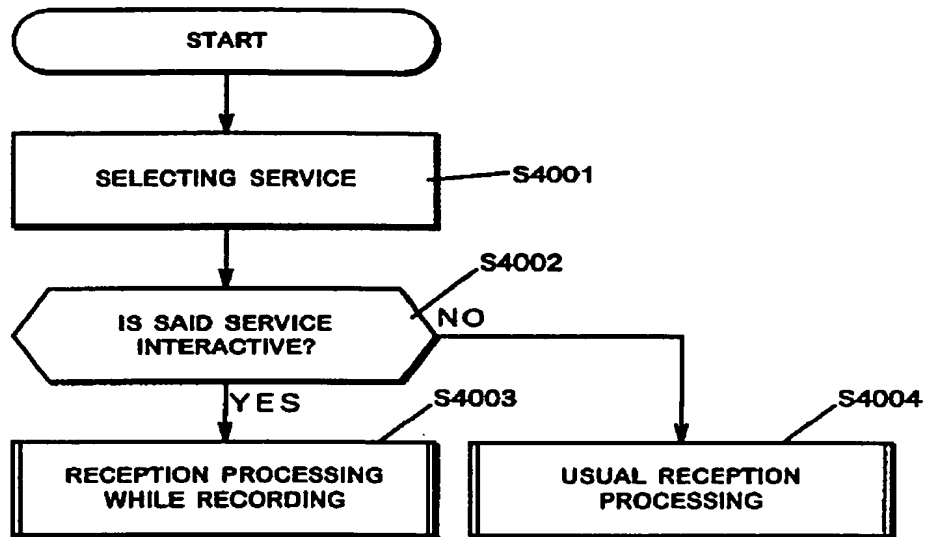


FIG.42

RECEPTION PROCESSING (GENERAL)



00117015 101400

FIG.43

RECEPTION PROCESSING WHILE RECORDING (1)

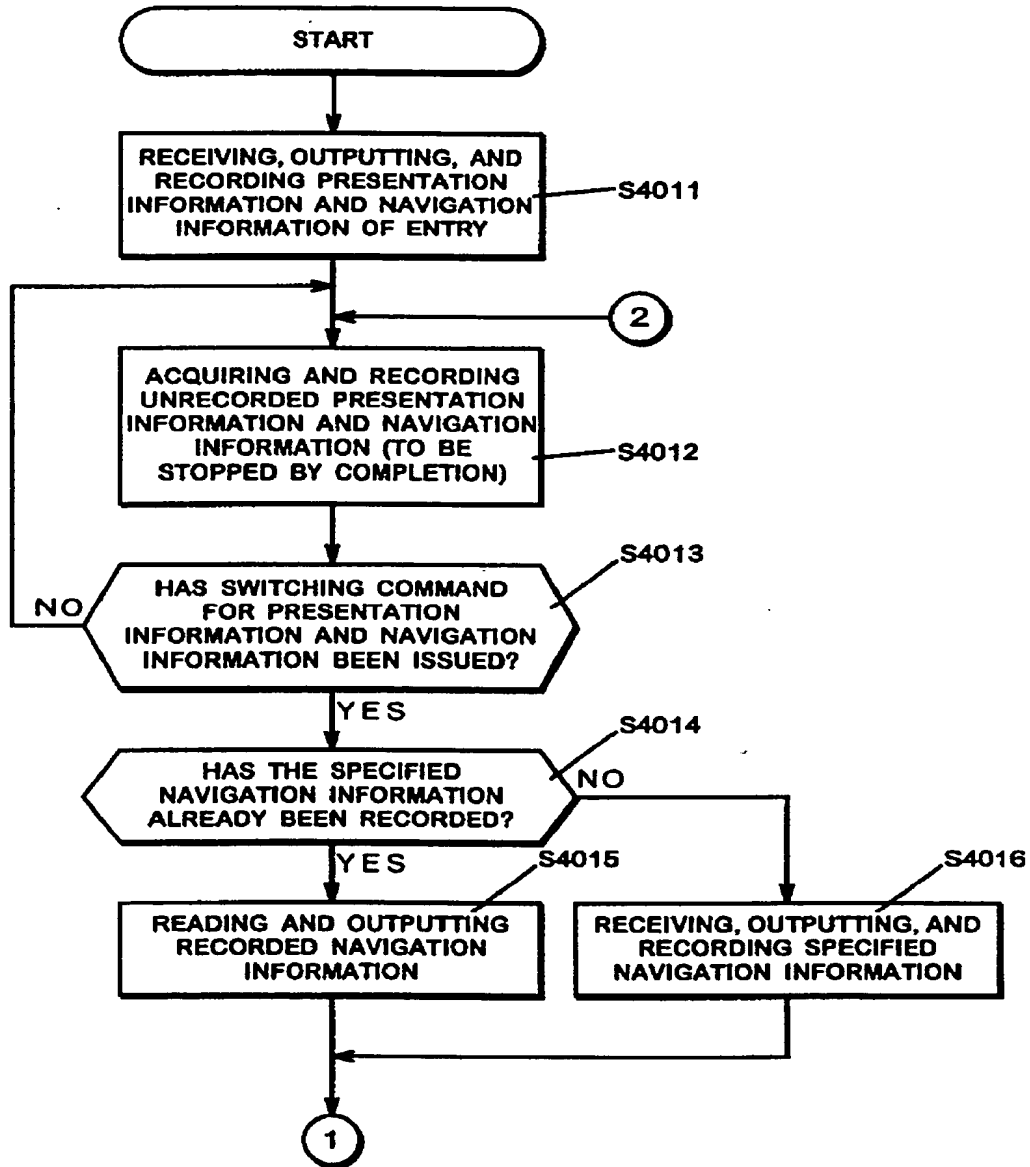


FIG.44

RECEPTION PROCESSING WHILE RECORDING(2)

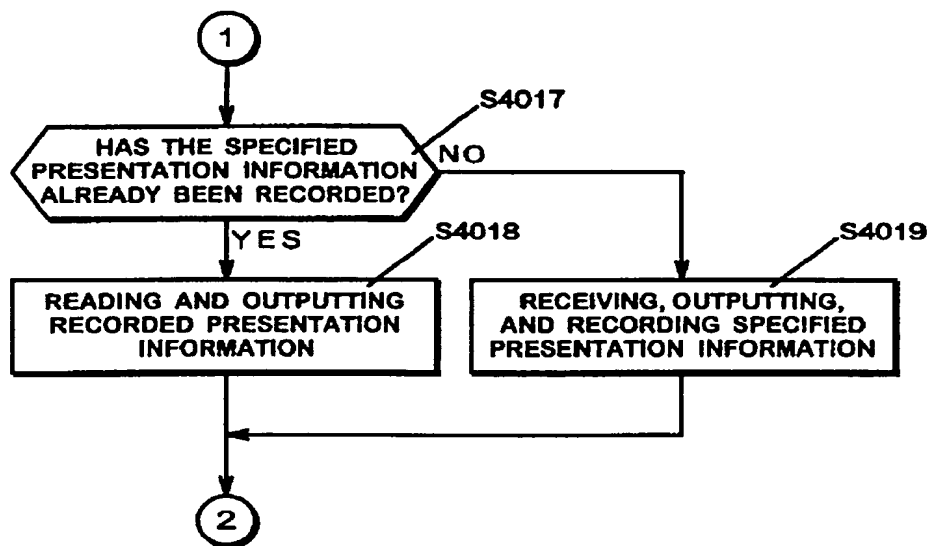


FIG.45

NVT_D I I

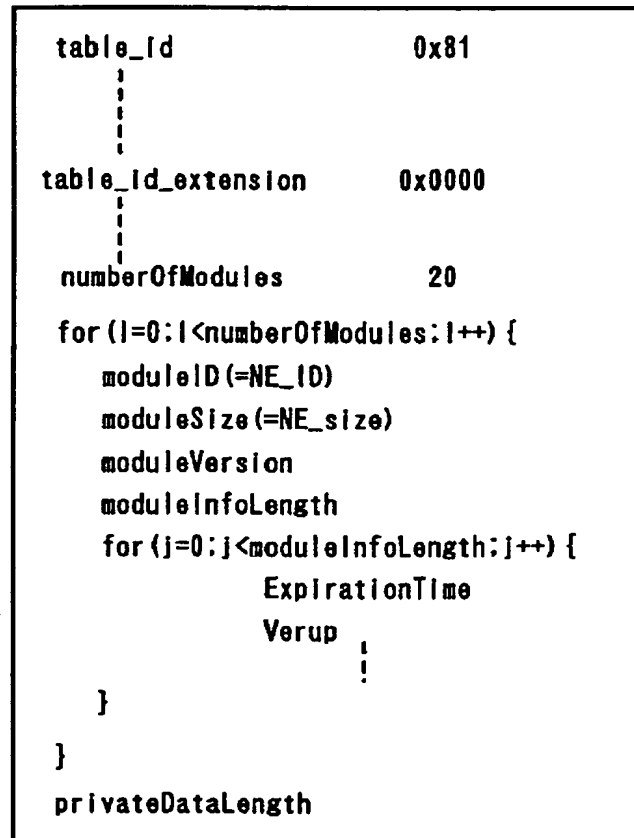
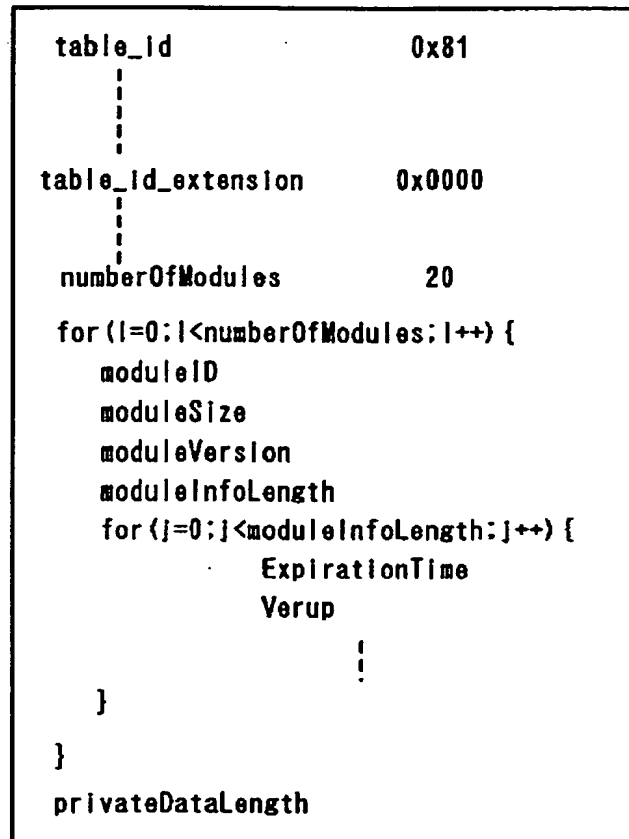


FIG.46

VET_D I I



664702 6482460